

Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed**1.1. Name of the Data, data collection Project, or data-producing Program:**

California Coastal Chinook Salmon Critical Habitat GIS Data

1.2. Summary description of the data:

This data set depicts areas designated for Chinook Critical Habitat as well as habitat type and quality in the California Coastal Evolutionary Significant Unit (ESU). These data represent the stream segments identified as Critical Habitat by the National Marine Fisheries Service (NOAA Fisheries) Southwest Regional Office (SWR). The linework for this layer is based on the California Department of Fish and Game (CDFG) and Pacific States Marine Fisheries Commission (PSMFC) 1:100,000 scale stream based routed hydrography. SWR biologists divided the routed hydrography into stream segments using the best available information to represent local Chinook distribution and habitat.

As a result, each segment has its own unique identifier (GIS_Link) and related presence and habitat information. The data set is in shapefile format and can be included as a map layer in a GIS.

1.3. Is this a one-time data collection, or an ongoing series of measurements?

Ongoing series of measurements

1.4. Actual or planned temporal coverage of the data:

2005 to Present

1.5. Actual or planned geographic coverage of the data:

W: -124.496291, E: -123.018431, N: 41.495416, S: 38.296715

1.6. Type(s) of data:

(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)

Map (digital)

1.7. Data collection method(s):

(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)

Instrument: Not Applicable

Platform: Not Applicable

Physical Collection / Fishing Gear: Not Applicable

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:

2. Point of Contact for this Data Management Plan (author or maintainer)

2.1. Name:

Charleen A Gavette

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:

charleen.gavette@noaa.gov

2.5. Phone number:

707-575-6017

3. Responsible Party for Data Management

Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:

Charleen A Gavette

3.2. Title:

Data Steward

4. Resources

Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?

4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):

Unknown

5. Data Lineage and Quality

NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible

(describe or provide URL of description):

Lineage Statement:

The linework for this layer is based on the California Department of Fish and Game (CDFG) and Pacific States Marine Fisheries Commission (PSMFC) 1:100,000 scale stream based routed hydrography.

Process Steps:

- 2019-04-29 00:00:00 - Stream segments were identified and assigned attributes by SWR biologists using CDFG 1:100,000 hydrography data and other basemap information on hard copy maps. The segments' upper and lower extents were manually marked onto the basemaps by the biologists. This information was then visually interpreted from the paper maps and entered into a digital format using the "Route Tools" extension provided by CDFG. The resulting event table was then used with the CDFG routed hydrography as the route reference to create routed events based on the biologists' segment determinations. The table containing the accompanying segment attribute information was joined using 'GIS_Link' as the related field, and the shapefile 'CC_Chinook_Draft_2004' was created from the routed events. To minimize errors that may have occurred during the process, the completed digital file was compared against the marked maps for consistency. The biologists also reviewed the completed digital file to ensure attribute information was associated with the correct stream segments. Biologists rated each Calwater (California Watershed Map) Hydrologic Sub-area (HSA) based on occupancy and habitat quantity and quality information found in the Chinook distribution shapefile (CC_Chinook_Draft_2004). These biological ratings were compared against economic values given to each HSA. Based on whether selected criteria were met, an HSA was determined to be included or excluded from Critical Habitat. All stream segments were then coded to reflect their HSA's designation. The only exceptions to this occurred when a stream segment was valued as a migration corridor (the segment would be included as Critical Habitat even if the HSA was excluded) or if there were other overriding biological considerations. Those segments coded as Critical Habitat were then extracted from the distribution shapefile and placed in the resulting 'CC_Chinook_Proposed_Critical_habitat' file. Public comments were received following draft publication of the Critical Habitat Proposed Rule in December 2004. These comments were incorporated into the data set and the final critical habitat file 'CC_Chinook_CH_06_2005' was created.

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

No

6.1.1. If metadata are non-existent or non-compliant, please explain:

Missing/invalid information:

- 4.1. Have resources for management of these data been identified?
- 5.2. Quality control procedures employed
- 7.3. Data access methods or services offered
- 7.4. Approximate delay between data collection and dissemination
- 8.1. Actual or planned long-term data archive location
- 8.3. Approximate delay between data collection and submission to an archive facility
- 8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:

<https://www.fisheries.noaa.gov/inport/item/56080>

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NOAA Data Documentation Procedural Directive: https://nosc.noaa.gov/EDMC/DAARWG/docs/EDMC_PD-Data_Documentation_v1.pdf

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

Yes

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

7.2. Name of organization of facility providing data access:

West Coast Regional Office (WCRO)

7.2.1. If data hosting service is needed, please indicate:

7.2.2. URL of data access service, if known:

https://archive.fisheries.noaa.gov/wcr/maps_data/endangered_species_act_critical_habitat.html

https://archive.fisheries.noaa.gov/wcr/publications/gis_maps/maps/salmon_steelhead/critical_habitat.html

7.3. Data access methods or services offered:

7.4. Approximate delay between data collection and dissemination:

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:

(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

8.1.1. If World Data Center or Other, specify:

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):

West Coast Regional Office - Long Beach, CA

8.3. Approximate delay between data collection and submission to an archive facility:

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.